

ABSTRACT

An antenna device of transmission line type having two antenna elements opposed to each other, and a signal is fed between the two antenna elements. A variable-capacitance unit capable of changing the electrostatic capacity is provided at one or both of connection points at which opposite ends of the two antenna elements are connected to each other. Each variable-capacitance unit has a variable-capacitance diode, the electrostatic capacity of which changes according to a direct-current voltage applied between the anode and the cathode.